



YAMAHIRO®

English



YH Series

**HER BAO
MACHINERY**

NC Rotary Table

High-quality components from Japan

Assembly technology from Taiwan

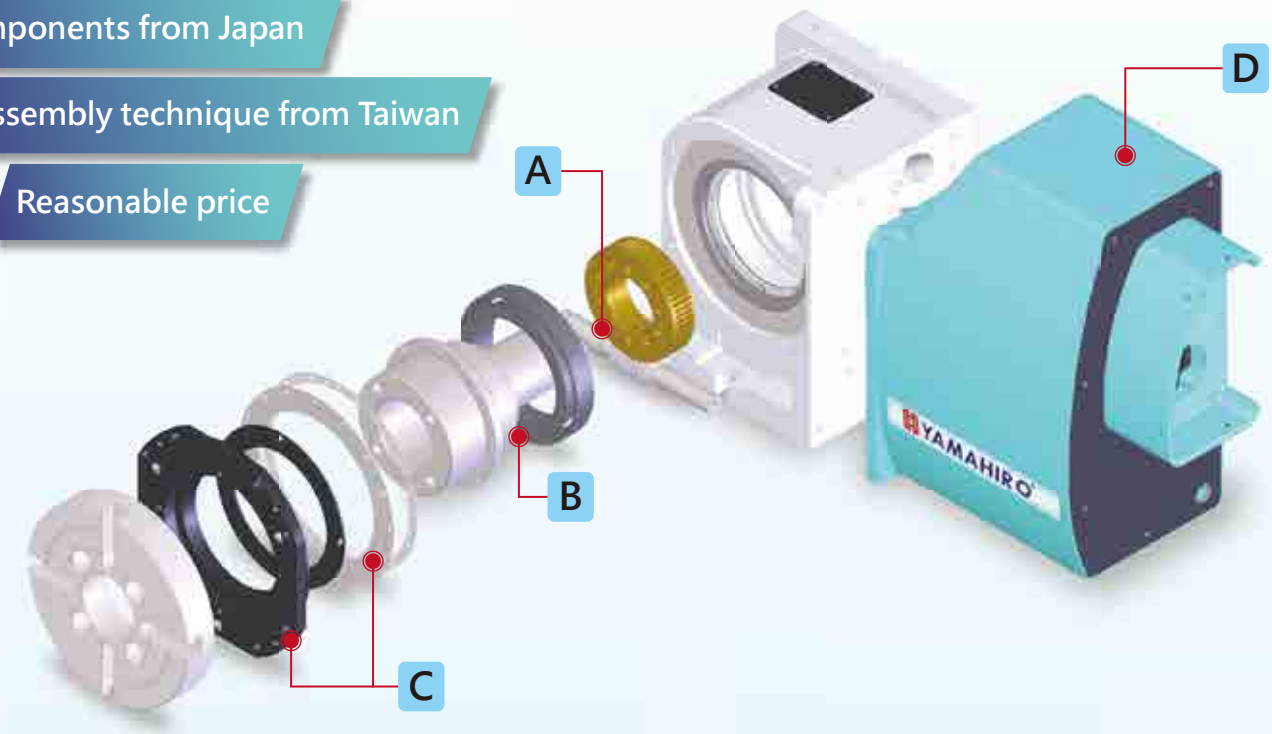
Product Introduction

YAMAHIRO specializes in multi-axis machining based on years of experience in four-axis and five-axis machining centers. We develop outstanding products for various industries, enhance application technology, and establish stable quality to meet international demands.

Components from Japan

Assembly technique from Taiwan

Reasonable price



A We guarantee the exclusive use of Japan's leading brand of worm gears and worm wheels.



Design

Assembly

Examination

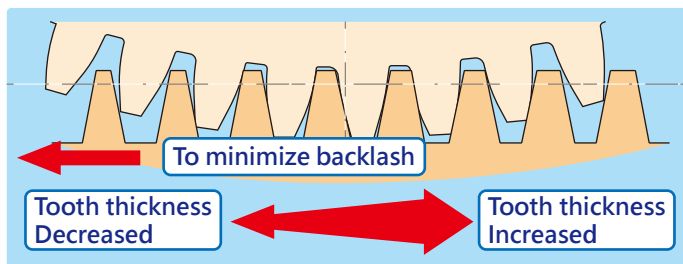
Quality ensured from start to finish

- ▶ **YAMAHIRO** has extensive experience in professional assembly, sales service, and manufacturing of NC rotary tables.
- ▶ Combining Japanese quality with special material technology to create products with extremely high durability.
- ▶ Recognized as an excellent partner by Japan's leading gear brand **OG/C**, signing a guaranteed cooperation agreement.

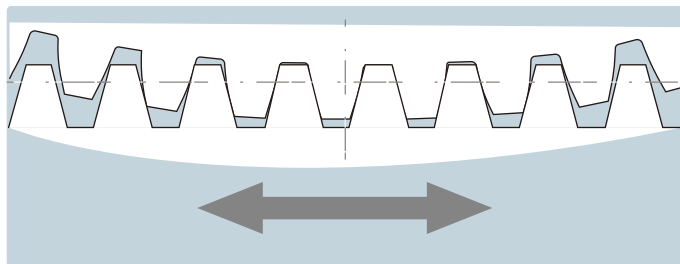
Product Introduction



Comparison of gear engagement



OTHER BRANDS



Material

Utilizing the OGIC worm gear system, a leading brand from Osaka, Japan. Our products incorporate specially designed high-tensile brass, renowned for its high hardness and low friction coefficient. This ensures high precision in transmission and positioning, with an adjustment accuracy and lifespan of up to 10 years.

Tooth Features

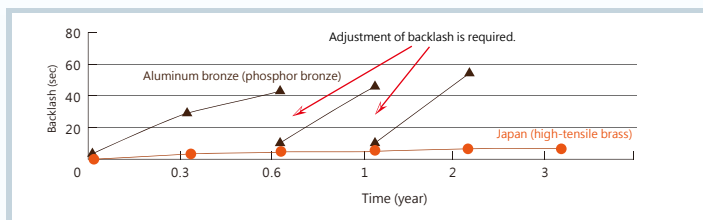
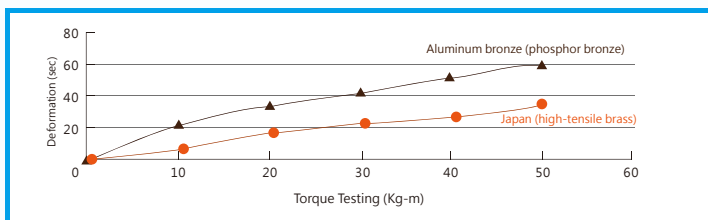
- ★ Increase tooth depth to ensure reliable engagement rigidity.
- ★ Special design with varying tooth thickness allows for automatic stabilize the backlash precision.

Material

Other brands of worm gears lack extensive experience and technology in gear production, along with precise inspection equipment, leading to unreliable positioning accuracy. They typically use inexpensive materials with lower hardness, such as aluminum bronze and phosphor bronze. Despite repeated hardness adjustments, the lifespan is only about four years.

Tooth Defect

- ⚠ Short and shallow tooth depth defects are difficult to withstand wear, and the gear engagement is worrying.
- ⚠ The small diameter of the worm wheel results in low rigidity after positioning.



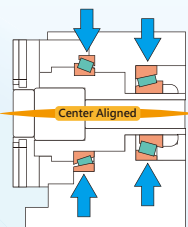
B High rigidity, high load

Bearings from Japan



YAMAHIRO NC rotary table combines radial and axial machining, employing angular contact ball bearings to increase bearing distance and contact area, enhancing rigidity and load capacity while ensuring optimal concentricity.

- High-rigidity bearings are positioned at both ends, arranged in a back-to-back configuration.
- Enhanced load-bearing capacity while maintaining long-term concentricity.



C Stable high clamping force

Disc brake system



The disc brake system releases pressure in front of the body during positioning braking, completely avoiding pushing against the rotating spindle, thus eliminating concerns about axis deformation and concentricity deviation in traditional systems. The specially designed brake disc (Patent registered) tightly adheres to the body, forming a uniform ring-shaped clamping range, making it the most efficient indexing disk brake design!

D Guaranteed MAX waterproofing

Aluminum casting integrated molding



YAMAHIRO NC rotary table passed rigorous waterproof tests in environments harsher than actual machining conditions! With a motor housing integrated through die-casting and special sealing technology, combined with an internally installed waterproof device (Patent registered), it ensures complete isolation of the transmission motor from cutting fluids, guaranteeing the highest industrial waterproof rating of IP66!

NC Rotary Table- YH SERIES



Model Features

- Best-selling series of four-axis machines, ideal for mass production with excellent price-performance ratio.
- Recommended for use with milling applications with X-axis ranging from 300 to 800mm.
- Excellent braking performance among pneumatic rotary tables.
- The entire series comes standard with leading Japanese brand worm gears, ensuring precise indexing positioning.
- The highest industrial waterproof rating, IP66.
- Patented braking mechanism ensures reliable clamping force.

YH100 YH125 YH170 YH200

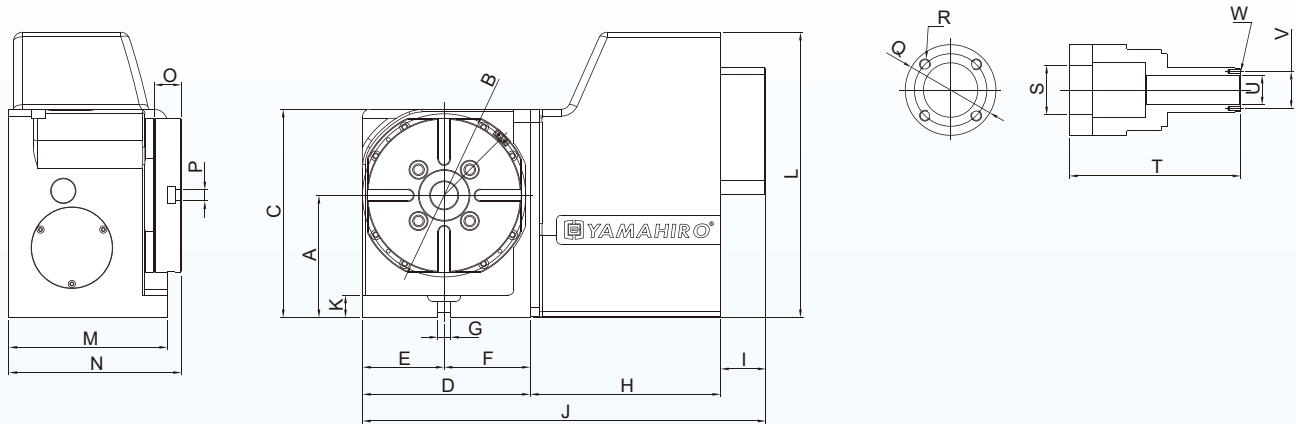
YH Series Datasheet

Model		Unit	YH100	YH125	YH170	YH200P	YH200H
Processing Range							
Table Diameter		mm	Φ 100	Φ 125	Φ 170	Φ 200	Φ 200
Height of Center (Vertical)		mm	85	110	135	160	160
Through-hole Diameter		mm	Φ 15	Φ 33	Φ 33	Φ 33	Φ 33
Height of Table (Horizontal)		mm	125.5	165.3	190.3	190.3	204.3
Center Hole Diameter		mm	Φ35H7	Φ40H7	Φ55H7	Φ55H7	Φ55H7
Table T-slot		mm	10H8	12H8	12H8	12H8	12H8
Positioning Guide Block		mm	14H7	14H7	14H7	18H7	18H7
Max. Speed		rpm	100	50	33	33	33
Max. Load	Vertical	kg	30	50	75	75	75
	Horizontal	kg	50	80	150	150	150
	With Tailstock	kg	50	80	150	150	150
Servo Motor & Transmission							
Fanuc			β1i	α2i / β4i	α4i / β8i	α4i / β8i	α4i / β8i
Mitsubishi			HG-KR43	HG-KR73	HG-SR102	HG-SR102	HG-SR102
Siemens			-	1FK7040	1FK7060	1FK7060	1FK7060
Heidenhain			-	QSY-96A	QSY-116C	QSY-116C	QSY-116C
Yaskawa			SGMJV-02A	SGMJV-08A	SGMJV-09A	SGMJV-09A	SGMJV-09A
Transmission Ratio			30	60	90	90	90
Clamping System							
Pressure Resource			Pneumatic	Pneumatic	Pneumatic	Pneumatic	Hydraulic
Drive Pressure		kg/cm ²	5	5	5	5	30
Clamping Torque		kgf.m	2	8	16	16	40
Allowable Cutting Torque							
	Axial Force, w.brake	kgf	200	600	1000	1000	1000
	Radial Force, w.brake	kgf.m	8	16	20	20	30
	Lateral Force, w.brake	kgf.m	20	40	100	100	100
	Continuous Cut, w/o.brake	kgf.m	10	10	20	20	20
Accuracy							
Repeatability		sec	5	5	5	5	5
Indexing Accuracy		sec	60	30	25	25	25
Weight							
Weight (Motor Excluded)		kg	13	31	55	63	66

* NOTE: For related applications involving Siemens and Heidenhain motors, please contact the original manufacturer's technical center.

YH Series Exterior Dimension Chart

NC Rotary Table



Unit: mm

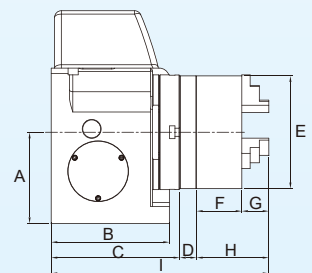
	A	B	C	D	E	F	G	H	I	J	K	L	M
YH100	85	Φ100	85	110	57.5	52.5	14H7	175	-	285	16	135	115
YH125	110	Φ125	110	166	86	80	14H7	200	50	416	20	230	150
YH170	135	Φ170	135	185	90	95	14H7	210	50	445	25	315	175
YH200	160	Φ200	160	200	90	110	18H7	210	50	460	25	255	175

	N	O	P	Q	R	S	T	U	V	W
YH100	125.5	20	10H8	Φ68h7	PCD Φ58 4 * M8 TAP12	Φ35H7	125	Φ15	PCD Φ20	8 * M3
YH125	165.3	25	12H8	Φ70h7	PCD Φ58 4 * M8 TAP15	Φ40H7	164.8	Φ33	PCD Φ41	6 * M5
YH170	190.3	30	12H8	Φ100h7	PCD Φ80 4 * M12 TAP20	Φ55H7	189.05	Φ33	PCD Φ41	6 * M5
YH200	190.3	30	12H8	Φ100h7	PCD Φ80 4 * M12 TAP20	Φ55H7	189.05	Φ33	PCD Φ41	6 * M5

Dimension of NC Rotary Table with 3-jaw Manual Chuck

Unit : mm	A	B	C	D	E	F	G	H	I
YH100 with 3" chuck	85	115	125.5	15	Φ86	46	15	61	201.5
YH125 with 5" chuck	110	150	165.3	20	Φ132	60	20	80	265.3
YH170 with 6" chuck	135	175	190.3	25	Φ167	67	40	107	322.3
YH200 with 7" chuck	160	175	190.3	25	Φ192	76.5	43	119.5	334.5
YH250 with 8" chuck	160	190	201.5	25	Φ203	76.5	43	119.5	346
YH320 with 10" chuck	210	215	241.5	30	Φ273	89	50	139	410.5

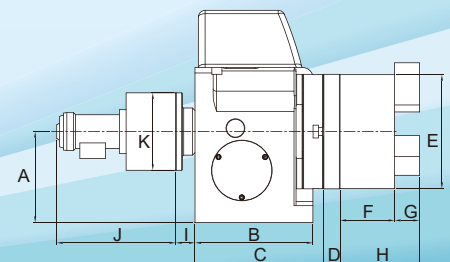
* NOTE: Chuck diameter is suggested by Di Chun



Dimension of NC Rotary Table with 3-jaw Hydraulic Chuck & Cylinder

Unit : mm	A	B	C	D	E	F	G	H	I	J	K
YH125 with 5" chuck	110	150	163.5	20	Φ135	55	31	86	29.5	176.5	Φ115
YH170 with 6" chuck	135	175	190.3	25	Φ169	81	37	118	28.75	176.5	Φ115
YH200 with 8" chuck	160	175	190.3	25	Φ210	91	38	129	32.75	191.5	Φ135
YH250 with 8" chuck	160	190	201.5	25	Φ210	91	38	129	44	191.5	Φ135
YH320 with 10" chuck	210	215	241.5	30	Φ254	100	43	143	48	191.5	Φ135

* NOTE: Chuck diameter is suggested by Di Chun



NC Rotary Table- YH SERIES



Model Features

- Application for multi-face machining of medium to large workpieces and heavy cutting.
- Recommended for use with milling applications with X-axis ranging from 800 to 1400mm.
- Excellent braking performance in hydraulic rotary indexing tables.
- The entire series comes standard with leading Japanese brand worm gears, ensuring precise indexing positioning.
- The highest industrial waterproof rating, IP66.
- Patented braking mechanism ensures reliable clamping force.

YH250P YH250H YH320

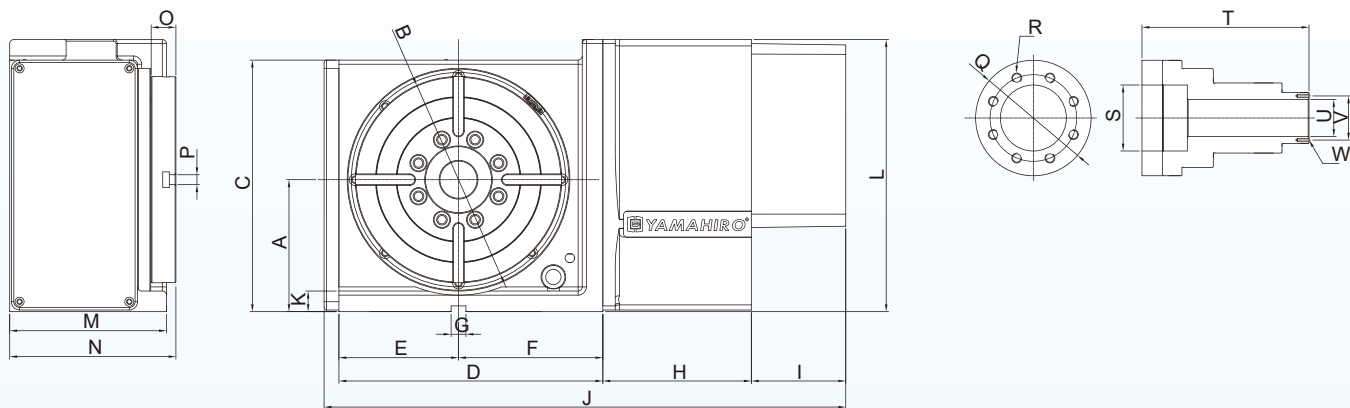
YH Series Datasheet

Model		Unit	YH250P	YH250H	YH320
Processing Range					
Table Diameter		mm	Φ 250	Φ 250	Φ 320
Height of Center (Vertical)		mm	160	160	210
Through-hole Diameter		mm	Φ 45	Φ 45	Φ 60
Height of Table (Horizontal)		mm	201.5	201.5	241.5
Center Hole Diameter		mm	Φ80H7	Φ80H7	Φ90
Table T-slot		mm	12H8	12H8	14H8
Positioning Guide Block		mm	18H7	18H7	18H7
Max. Speed		rpm	33.33	33.33	25
Max. Load	Vertical	kg	100	100	150
	Horizontal	kg	250	250	350
	With Tailstock	kg	250	250	350
Servo Motor & Transmission					
Fanuc			α2i / β4i / α8i (Tailstock configuration is recommended when setting up.)	α8i / β12i / α8i (Tailstock configuration is recommended when setting up.)	α12i / β22i
Mitsubishi			HG-SR102	HG-SR102	HG-SR202
Siemens			1FK7063	1FK7063	1FK7083
Heidenhain			QSY-116E	QSY-116E	QSY-155B
Yaskawa			SGNGV-09A	SGNGV-09A	SGNGV-30A
Transmission Ratio			90	90	120
Clamping System					
Pressure Resource			Pneumatic	Hydraulic	Hydraulic
Drive Pressure		kg/cm ²	5	30	30
Clamping Torque		kgf.m	27	60	78
Allowable Cutting Torque					
 Axial Force, w.brake		kgf	2000	2000	3000
 Radial Force, w.brake		kgf.m	30	50	80
 Lateral Force, w.brake		kgf.m	120	120	300
 Continuous Cut, w/o.brake		kgf.m	48	48	78
Accuracy					
Repeatability		sec	5	5	5
Indexing Accuracy		sec	15	15	15
Weight					
Weight (Motor Excluded)		kg	130	130	220

* NOTE: For related applications involving Siemens and Heidenhain motors, please contact the original manufacturer's technical center.

YH Series Exterior Dimension Chart

NC Rotary Table



Unit: mm

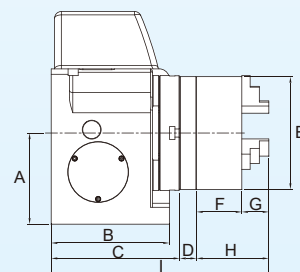
	A	B	C	D	E	F	G	H	I	J	K	L	M
YH250	160	Φ250	305	320	145	175	18H7	180	114.5	632.5	25	330	190
YH320	210	Φ320	380	370	185	185	18H7	230	114.5	732.5	30	380	215

	N	O	P	Q	R	S	T	U	V	W
YH250	201.5	30	12H8	Φ14h7	PCD Φ105 8 * M12 TAP20	Φ80H7	201	Φ45	PCD Φ53.5	6 * M5
YH320	241.5	35	14H8	Φ14h7	PCD Φ120 8 * M12 TAP20	Φ90H7	238	Φ60	PCD Φ70	6 * M6

Dimension of NC Rotary Table with 3-jaw Manual Chuck

Unit : mm	A	B	C	D	E	F	G	H	I
YH250 with 8" chuck	160	190	201.5	25	Φ203	76.5	43	119.5	346
YH320 with 10" chuck	210	215	241.5	30	Φ273	89	50	139	410.5

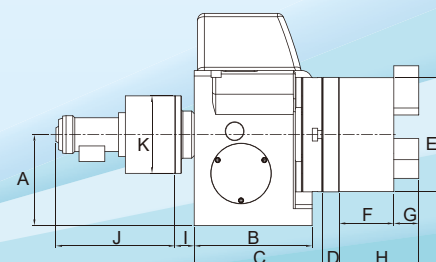
* NOTE: Chuck diameter is suggested by Di Chun



Dimension of NC Rotary Table with 3-jaw Hydraulic Chuck & Cylinder

Unit : mm	A	B	C	D	E	F	G	H	I	J	K
YH250 with 8" chuck	160	190	201.5	25	Φ210	91	38	129	44	191.5	Φ135
YH320 with 10" chuck	210	215	241.5	30	Φ254	100	43	143	48	191.5	Φ135

* NOTE: Chuck diameter is suggested by Di Chun



NC Rotary Table- YH-B SERIES



Model Features

- Compact design, minimizing footprint.
- Motor rear-mounted installation, precision gear transmission, high precision, high torque.
- Recommended for use with milling applications with X-axis ranging from 350 to 800mm.
- Excellent braking performance among pneumatic rotary tables.
- The entire series comes standard with leading Japanese brand worm gears, ensuring precise indexing positioning.
- The highest industrial waterproof rating, IP66.
- Patented braking mechanism ensures reliable clamping force.

YH125B YH170B YH200B

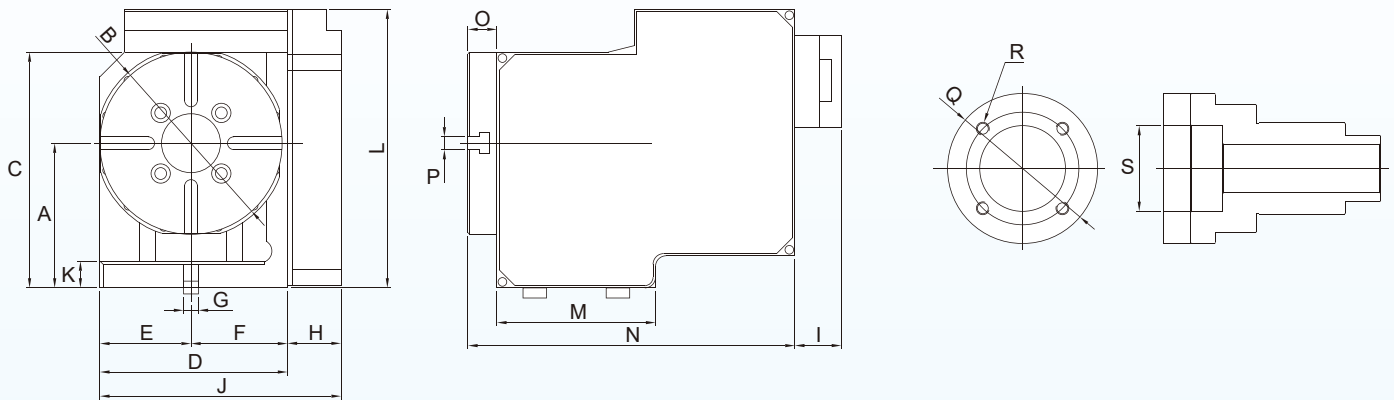
YH-B Series Datasheet

Model		Unit	YH125B	YH170B	YH200B
Processing Range					
Table Diameter		mm	Φ125	Φ170	Φ200
Height of Center (Vertical)		mm	110	135	160
Through-hole Diameter		mm	Φ 33	Φ 33	Φ 33
Center Hole Diameter		mm	Φ40H7	Φ55H7	Φ55H7
Table T-slot		mm	12H8	12H8	12H8
Positioning Guide Block		mm	14H7	14H7	18H7
Max. Speed		rpm	50	33	33
Max. Load	Vertical	kg	50	75	75
	With Tailstock	kg	80	120	120
Servo Motor & Transmission					
Fanuc			α2i / β4i	α4i / β8i	α4i / β8i
Mitsubishi			HG-KR73	HG-SR102	HG-SR102
Siemens			1FK7040	1FK7060	1FK7060
Heidenhain			QSY-96A	QSY-116C	QSY-116C
Yaskawa			SGMJV-08A	SGNGV-09A	SGMGV-9A
Transmission Ratio			60	90	90
Clamping System					
Pressure Resource			Pneumatic	Pneumatic	Pneumatic
Drive Pressure		kg/cm ²	5	5	5
Clamping Torque		kgf.m	8	16	16
Allowable Cutting Torque					
 Axial Force, w.brake		kgf	600	1000	1000
 Radial Force, w.brake		kgf.m	16	20	20
 Lateral Force, w.brake		kgf.m	40	100	100
 Continuous Cut, w/o.brake		kgf.m	15	20	20
Accuracy					
Repeatability		sec	5	5	5
Indexing Accuracy		sec	30	25	25
Weight					
Weight (Motor Excluded)		kg	58	92	102

* NOTE: For related applications involving Siemens and Heidenhain motors, please contact the original manufacturer's technical center.

YH-B Series Exterior Dimension Chart

NC Rotary Table



Unit: mm

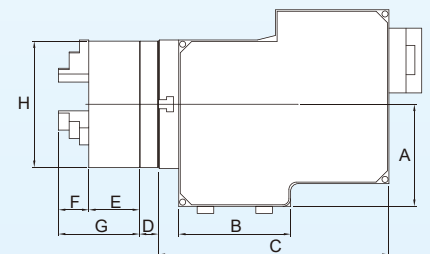
	A	B	C	D	E	F	G	H	I	J
YH125B	110	Φ125	190	166	86	80	14H7	95	50	261
YH170B	135	Φ170	230	185	90	95	14H7	85	50	270
YH200B	160	Φ200	255	200	90	110	18H7	85	50	285

	K	L	M	N	O	P	Q	R	S
YH125B	20	220	150	310	25	12H8	Φ70h7	PCD Φ58 4 * M8 TAP15	Φ40H7
YH170B	25	290	175	365	30	12H8	Φ100h7	PCD Φ80 4 * M8 TAP20	Φ55H7
YH200B	25	325	175	365	30	12H8	Φ100h7	PCD Φ80 4 * M12 TAP20	Φ55H7

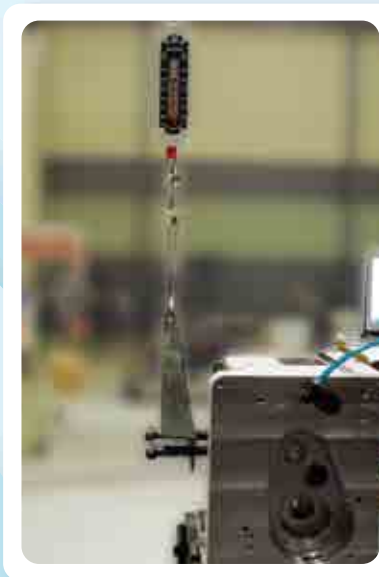
Dimension of NC Rotary Table with 3-jaw Manual Chuck

Unit : mm	A	B	C	D	E	F	G	H
YH100 with 3" chuck	85	115	125.5	15	Φ86	46	15	61
YH125 with 5" chuck	110	150	165.3	20	Φ132	60	20	80
YH170 with 6" chuck	135	175	190.3	25	Φ167	67	40	107

* NOTE: Chuck diameter is suggested by Di Chun



Brake Torque Field Test



▲ All brake force tests are conducted rigorously. For example, the brake force of the YH170 model exceeds 20kg/cm², surpassing the brake force of similar-sized indexing tables in the industry by 25%.

NC Rotary Table- YHC SERIES



型號特性

- Recommended for complex workpieces requiring five-axis machining.
- The YHC100, the world's smallest five-axis rotary table, is suitable for precision micro parts.
- Recommended for use with milling applications with X-axis ranging from 350 to 800mm.
- The entire series comes standard with leading Japanese brand worm gears, ensuring precise indexing positioning.
- The highest industrial waterproof rating, IP66.
- Patented braking mechanism ensures reliable clamping force.

YHC100

YHC125

YHC170

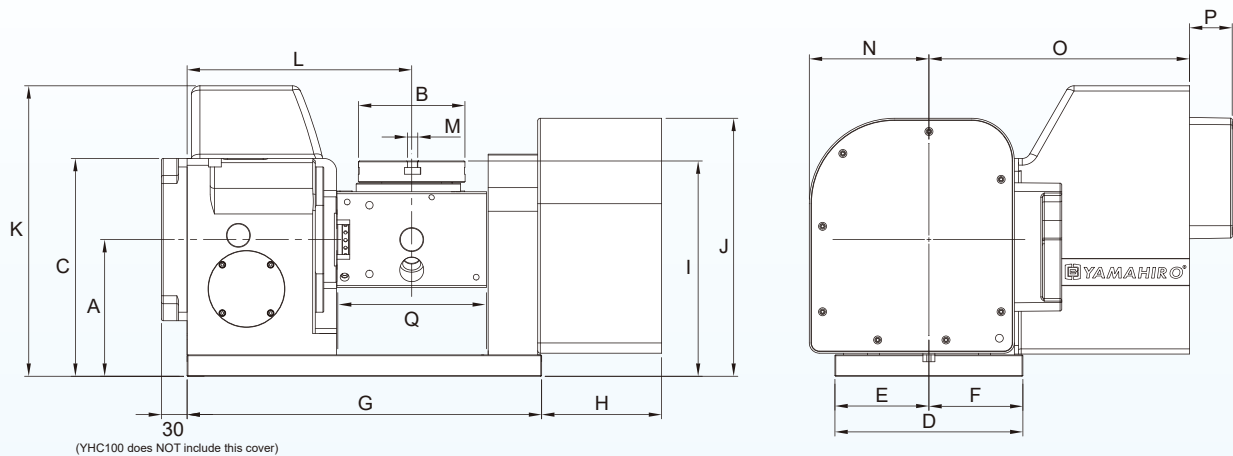
YHC Series Datasheet

Model		Unit	YHC100	YHC125	YHC170
Processing Range					
Table Diameter	mm		Φ 100	Φ 125	Φ 170
Tilting Angle	deg		-30 +105	-30 +110	-30 +110
Height of Center at 0° (Horizontal)	mm		202	254	315.5
Height of Center at 90° (Vertical)	mm		135	160	190
Through-hole Diameter	mm		Φ 15	Φ 33	Φ 33
Center Hole Diameter	mm		Φ 35H7	Φ 40H7	Φ 55H7
Table T-slot	mm		10H8	12H8	12H8
Positioning Guide Block	mm		14H7	14H7	18H7
Max. Speed	Rotation Axis	rpm	100	50	50
	Tilt Axis	rpm	50	33.33	33.33
Max. Load	 at 0°	kg	20	35	60
	 at 0°- 90°	kg	15	20	40
	 Allowable Torque	N-m	110	200	400
Servo Motor & Transmission					
Fanuc	Rotation Axis		β1i	α2i	α4i
	Tilt Axis		α2i	α4i	α4i
Mitsubishi	Rotation Axis		HG-KR43	HG-SR102	HG-SR102
	Tilt Axis		HG-KR73	HG-SR102	HG-SR152
Siemens	Rotation Axis		1FK7032	1FK7040	1FK7063
	Tilt Axis		1FK7040	1FK7063	1FK7063
Heidenhain	Rotation Axis		advice	QSY-96A	QSY-116E
	Tilt Axis		QSY-96A	QSY-116E	QSY-116E
Yaskawa	Rotation Axis		SGMJV-04A	SGMJV-08A	SGMGV-09A
	Tilt Axis		SGMJV-08A	SGMGV-09A	SGMGV-09A
Transmission Ratio	Rotation Axis		30	60	60
	Tilt Axis		60	90	90
Clamping System					
Pressure Resource	Rotation Axis		Pneumatic	Pneumatic	Pneumatic
	Tilt Axis		Pneumatic	Pneumatic	Pneumatic · Hydraulic
Drive Pressure	Rotation Axis	kg/cm ²	5	5	5
	Tilt Axis	kg/cm ²	5	5	30
Clamping Torque	Rotation Axis	kgf.m	2	8	16
	Tilt Axis	kgf.m	8	16	60
Allowable Cutting Torque					
	Axial Force, w.brake	kgf	200	400	800
	Radial Force, w.brake	kgf.m	8	12	16
	Lateral Force, w.brake	kgf.m	20	30	80
	Continuous Cut, w/o.brake	kgf.m	10	15	20
	Continuous Cut, w/o.brake	kgf.m	15	20	48
Accuracy					
Repeatability	Rotation Axis	sec	5	5	5
	Tilt Axis	sec	5	5	5
Indexing Accuracy	Rotation Axis	sec	60	30	25
	Tilt Axis	sec	30	25	20
Weight					
Weight (Motor Excluded)		kg	65.5	126	235

* NOTE: For related applications involving Siemens and Heidenhain motors, please contact the original manufacturer's technical center.

YHC Series Exterior Dimension Chart

NC Rotary Table



Unit: mm

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
YHC100	135	Φ100	215	201	101	100	312	110	202	215	255	207.3	10H8	85	280	54	116
YHC125	160	Φ125	302	240	120	120	415	140.4	254	302	340	262.9	12H8	130	305	54	175
YHC170	190	Φ170	335	335	160	175	460	145	315.5	354	360	289.3	12H8	165	355	114.5	220

* For detailed dimensions, please contact our company.

Application Example

Bicycle accessories

Worm wheel blade

3C titanium alloy watch case

Mask embossing roller

Hydraulic valve body

Automotive parts

Aerospace industry parts

Ball valve body

NC Rotary Table- YH-W SERIES

Model Features

- Dual quad-axis models allow for simultaneous clamping, increasing machining efficiency.
- Dual quad-axis rotary indexing tables exhibit optimal synchronous positioning accuracy.
- Recommended for use with milling applications with X-axis ranging from 350 to 1400mm.
- The entire series comes standard with leading Japanese brand worm gears, ensuring precise indexing positioning.
- The highest industrial waterproof rating, IP66.
- Patented braking mechanism ensures reliable clamping force.

YH125-2W YH170-2W YH200-2W

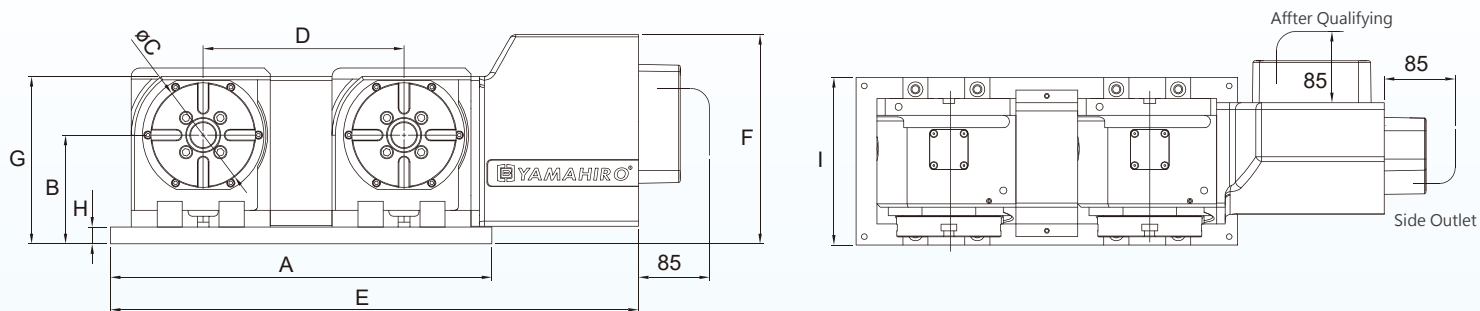
YH-W Series Datasheet

Model		Unit	YH125-2W	YH170-2W	YH200-2W
Processing Range					
Table Diameter		mm	Φ125	Φ170	Φ200
Height of Center (Vertical)		mm	110	135	160
Through-hole Diameter		mm	Φ 33	Φ 33	Φ 33
Height of Table (Horizontal)		mm	165.3	190.3	190.3
Center Hole Diameter		mm	Φ35H7	Φ55H7	Φ55H7
Table T-slot		mm	12H8	12H8	12H8
Positioning Guide Block		mm	14H7	14H7	18H7
Max. Speed		rpm	50	33	33
Max. Load	Vertical	kg	50	75	75
	Horizontal	kg	80	150	150
	With Tailstock	kg	80	150	150
Servo Motor & Transmission					
Fanuc			β4i	α8i	α8i
Mitsubishi			HG-SR102	HG-SR102	HG-SR102
Siemens			1FK7040	1FK7060	1FK7060
Heidenhain			QSY-96A	QSY-116C	QSY-116C
Yaskawa			SGMJV-08A	SGMGV-09A	SGMGV-09A
Transmission Ratio			60	90	90
Clamping System					
Pressure Resource			Pneumatic	Pneumatic	Pneumatic
Drive Pressure		kg/cm ²	5	5	5
Clamping Torque		kgf.m	8	16	16
Allowable Cutting Torque					
	Axial Force, w.brake	kgf	600	1000	1000
	Radial Force, w.brake	kgf.m	16	20	20
	Lateral Force, w.brake	kgf.m	40	100	100
	Continuous Cut, w/o.brake	kgf.m	15	20	20
Accuracy					
Repeatability		sec	5	5	5
Indexing Accuracy		sec	30	25	25
Weight					
Weight (Motor Excluded)		kg	78	132	147

* NOTE: For related applications involving Siemens and Heidenhain motors, please contact the original manufacturer's technical center.

YH-W Series Exterior Dimension Chart

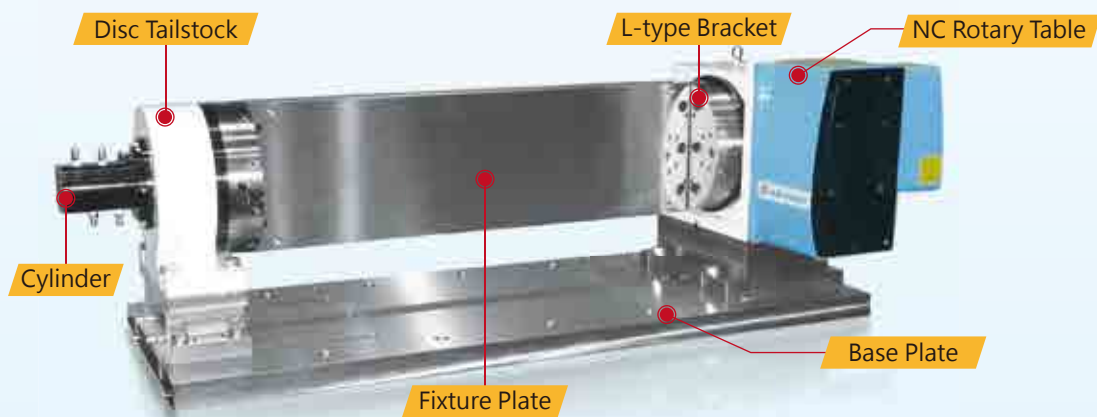
NC Rotary Table



Unit: mm

	A	B	C	D	E	F	G	H	I
YH125-2W	456	130	125	240	631	250	200	20	200
YH170-2W	485	160	170	250	672.5	340	255	25	225
YH200-2W	485	185	200	250	687.5	280	280	25	225

Examples of assembly and usage of the indexing table



Accessories

Booster Block ▼



Air Booster (Hydraulic) ▼



Hydraulic Unit ▼



L-type Bracket

With 1-4 oil holes ▼

Without oil hole ▼



Example

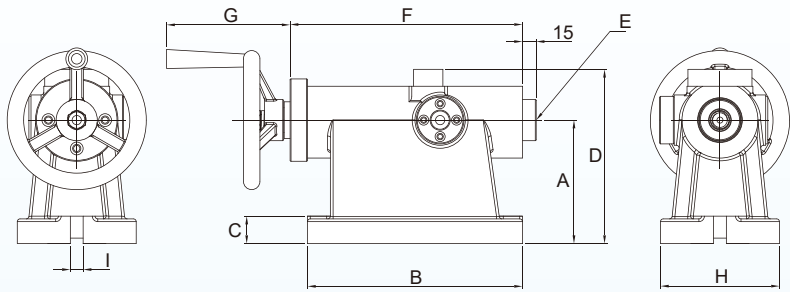
Molds and automatic clamping



NC Rotary Table- Optional Accessories



Quill Type Tailstock Exterior Dimension Chart

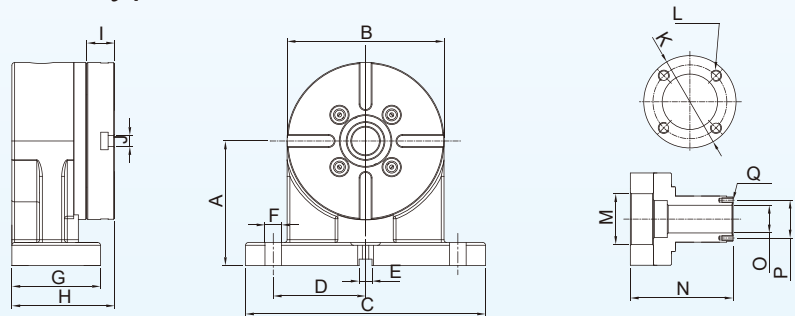


Unit: mm

	A	B	C	D	E	F	G	H	I
TH110 applied for YH125	110	135	20	151	MT3	204	66	100	14H7
TH135 applied for YH170	135	235	30	190.5	MT3	254	135	130	14H7
TH160 applied for YH200 & YH250	160	235	30	215.5	MT3	254	135	130	18H7
TH210 applied for YH320	210	235	30	265.5	MT4	254	135	146	18H7

* NOTE: Optional pneumatic/hydraulic automatic tailstock is available.

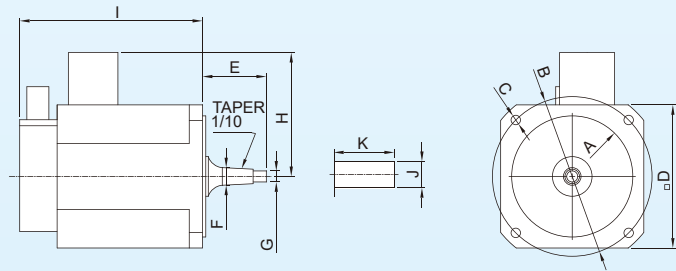
Disc Type Tailstock Exterior Dimension Chart



Unit: mm

	A	B	C	D	E	F locking keyway		G	H	I	J	K		L	M	N	O	P	Q
							×no					T-slot of table	×no						
FH110 applied for YH125	110	130	150	N/A	14H7	N/A	×0	90	106.3	25	12H8	Φ70h7	×4	PCD Φ58 4 * M8 TAP15	Φ40H7	106.3	Φ33	PCD Φ41	6*M5
FH135 applied for YH170	135	170	260	100	14H7	18	×4	96	111.3	30	12H8	Φ100h7	×4	PCD Φ80 4 * M12 TAP20	Φ55H7	111.3	Φ33	PCD Φ41	6*M5
FH160S / FH160SH applied for YH200	160	170	260	100	18H7	18	×4	96	111.3	30	12H8	Φ100h7	×4	PCD Φ80 4 * M12 TAP20	Φ55H7	111.3	Φ33	PCD Φ41	6*M5
FH160H applied for YH250	160	250	300	100	18H7	18	×4	125	138.5	30	12H8	Φ140h7	×8	PCD Φ105 8 * M12 TAP20	Φ80H7	138.5	Φ60	PCD Φ70	6*M6
FH210 applied for YH320	210	320	400	100/180	18H7	18	×8	145	153.5	35	14H8	Φ140h7	×8	PCD Φ120 8 * M12 TAP20	Φ90H7	153.5	Φ60	PCD Φ70	6*M6

Adaptable Servo Motor Exterior Dimension Chart



Unit: mm

		A	B	C	D	E	F	G	H	I	J	K
For YH125		Φ 80h7	PCD Φ100	Φ 6.6	90	44	Φ 14	M8*1.0P	88.5	166	Φ 14	33
For YH170 / YH125-2W		Φ 110h7	PCD Φ145	Φ 8.6	130	58	Φ 16	M10*1.0P	112.5	166	Φ 24	55
For YH200 / YH170-2W / YH200-2W		Φ 110h7	PCD Φ145	Φ 8.6	130	58	Φ 16	M10*1.0P	112.5	166	Φ 24	55
For YH250		Φ 110h7	PCD Φ145	Φ 8.6	130	58	Φ 16	M10*1.0P	112.5	222	Φ 24	55
For YH320		Φ 114.3h7	PCD Φ200	Φ 13.5	176	79	N/A	N/A	112.5	202	Φ 35	76
For YHC100	Rotary Axis	Φ 50h7	PCD Φ 70	Φ 5.8	60	33	N/A	N/A	47.1	119.9	Φ 14	30
	Tilting Axis	Φ 80h7	PCD Φ100	Φ 6.6	90	44	Φ 14	M8*1.0P	88.5	166	Φ 14	33
For YHC125	Rotary Axis	Φ 80h7	PCD Φ100	Φ 6.6	90	44	Φ 14	M8*1.0P	88.5	166	Φ 14	33
	Tilting Axis	Φ 110h7	PCD Φ145	Φ 8.6	130	58	Φ 16	M10*1.0P	112.5	166	Φ 24	55
For YHC170	Rotary Axis	Φ 110h7	PCD Φ145	Φ 8.6	130	58	Φ 16	M10*1.0P	112.5	166	Φ 24	55
	Tilting Axis	Φ 110h7	PCD Φ145	Φ 8.6	130	58	Φ 16	M10*1.0P	112.5	222	Φ 24	55

NC円テーブル

Rotary Table Technology from Japan

Professional manufacture



⚠️ **YAMAHIRO** has accumulated extensive experience in the adjustment of Japanese rotary table-specific worm gears and worm wheels over decades, along with expertise in manufacturing senior-level dedicated machines. This experience has enabled the accumulation of various applications and technologies for NC rotary tables at **YAMAHIRO**. All **YAMAHIRO** indexing tables undergo rigorous quality precision inspections according to the international standard JIS specifications and undergo additional stringent durability tests to ensure quality and long-term stability. By combining Japan's commitment to technology and quality with Taiwan's manufacturing cost advantages, **YAMAHIRO** provides users and customers with the best cost-effective NC rotary indexing table products.



⚠️ All castings undergo precision measurements using CMM in 3D coordinate both before assembly and after final product completion.



⚠️ We utilize the ring optical scales from Germany to inspect the indexing accuracy, followed by a secondary verification after a 48-hour trial run.



⚠️ A continuous 48-hour trial run ensures the stability of all mechanical components' quality.

Comprehensive pre-sales planning and after-sales service



⚠️ **YAMAHIRO** R&D team provides customers with the most professional application technology consulting and flexible customized solutions, tailoring the best products for their needs. Building on the foundation of specialized machine development and machining technology, we offer various fixture planning services, ensuring the most comprehensive pre-sales support for our customers.

► **Japanese Core** ► **Taiwan Assembly** ► **Quality Assurance**

All Series



YH 4-axis series

CNC Machining Center Rotary 4-axis
Specifications X-axis 350-1400mm



RHD series

High precision, high rigidity, high inertia
Digital Control Rotary Positioning Table



YHC 5-axis series

CNC Machining Center Rotary 5-axis
Specifications X-axis 500-1400mm



SHD series

Waterproof, Corrosion-resistant,
Pollution-resistant
Optimal Choice CNC Rotary Platform



YHD series

Five-axis Interlinked Surface Processing
High Precision Two-dimensional Rotary
Motion Module



YRD series

High Self-locking Force. High Precision.
Lightweight
Optimal Multi-functional CNC Rotary
Platform



YHR series

Automation, Dustproof, Waterproof,
Pollution-resistant
Light-duty Two-dimensional Rotary
Motion Module



Disc / Quill Type Tailstock

Diversification, Versatility, Multifunction-
ality
Customizable according to customer
requirements

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MANUFACTURER



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